

Title (en)

Electromagnetic retarder with a built-in exciter

Title (de)

Elektromagnetischer Retarder mit integriertem Erreger

Title (fr)

Ralentisseur électromagnétique avec excitatrice intégrée

Publication

**EP 1014545 B1 20050914 (EN)**

Application

**EP 99124522 A 19991209**

Priority

JP 36408498 A 19981222

Abstract (en)

[origin: EP1014545A2] An electromagnetic retarder with a built-in exciter having a retarder exciter inside thereof for generating braking torque by an eddy current produced in an eddy-current cylinder as a plurality of magnetic poles that are alternately magnetized to N and S poles by a field current caused to flow by a voltage generated in the exciter are caused to rotate in relation to the eddy-current cylinder disposed at a location facing the magnetic poles; the eddy-current cylinder comprising a core formed by laminating a magnetic material, and short-circuiting means provided on the laminated core in the axial direction thereof for causing the generated eddy current to flow therein is disclosed. <IMAGE>

IPC 1-7

**H02K 49/04**; **H02K 7/20**

IPC 8 full level

**H02K 7/20** (2006.01); **H02K 49/02** (2006.01); **H02K 49/04** (2006.01)

CPC (source: EP US)

**H02K 7/20** (2013.01 - EP US); **H02K 49/043** (2013.01 - EP US)

Cited by

JP2002095236A; FR2814003A1; FR2819351A1; EP1235332A1; EP1174986A1; FR2812138A1; EP3588754A1; US11476747B2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**EP 1014545 A2 20000628**; **EP 1014545 A3 20030305**; **EP 1014545 B1 20050914**; JP 2000228862 A 20000815; US 6346752 B1 20020212

DOCDB simple family (application)

**EP 99124522 A 19991209**; JP 36408498 A 19981222; US 45966399 A 19991213